EH415ST

A compact and versatile package

- Powerful 0.5:1 short throw lens delivers crisp images in a short distance

- Full 1080p HD resolution with 2x HDMI 1.4a connectivity

- Bright 3500 lumens image with 15,000:1 contrast ratio

- Full 3D compatibility for audience captivating immersive presentations

DLP TEXAS INSTRUMENTS · HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE · CRESTRON RoomView® connected · PJLink™ · APTA · Full HD 1080p

Full 3D · Eco⁺ · BrilliantColor™ · 5 YEARS · Protect Green

EH415ST

The EH415ST is designed for delivering superior quality presentations in classrooms, small meeting rooms or training rooms. This full HD 1080p projector offers stunning image performance from a short distance. It also boasts a brightness rating of 3,500 ANSI lumens, which is ideal for use without dimming the lights.

The projector can be managed and monitored remotely with Crestron RoomView®, Telnet, Extron IP Link, AMX and PJ-Link, which allow almost all aspects of the EH415ST to be controlled across a network.

The EH415ST's impressively long lamp life (7,000hrs Eco+) and energy-saving features both contribute to a low overall cost of ownership.

Short throw projection

With a short-throw lens, this projector can produce large screen sizes from a short distance.

High contrast

Add more depth to your image with a high contrast projector; with brighter whites and ultra-rich blacks, images come alive and text appears crisp and clear - ideal for business and education applications.

Full 3D

Optoma projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate

provides ultra-smooth flicker free images.

Integrated speaker

The built-in speaker offers excellent audio support. Easy to set up without the need for costly external speakers

Eco+

Eco+ technology brings together high contrast, improved lamp life and energy saving features that are easy to use while reducing power consumption.

Energy saving

Using the specially designed lamp modes, you can reduce the power consumption by up to 70%. Each mode also has a positive effect on the lamp life, while lowering the total cost of ownership and reducing maintenance.

Quick resume

This feature allows the projector to be instantly powered on again, if it is accidentally switched off.

Auto power off

There may be instances when the projector is left running when not in use. To help save energy, the "Auto Power Off" feature automatically turns off the projector after a set period of time if it is not being used

Eco AV mute

Stay in control of your presentation with Eco AV mute. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also reduces the power consumption by up to 70%, further prolonging the life of your lamp.

Long lamp life

Reduce the number of lamp change with lamp life of up to 7,000 hours using the education cycle.

Remote mouse

Keep your audience's attention focussed on the right things using the simple, yet powerful remote with USB mouse control.

Networking and control

Featuring a wide range of options you can remotely control and monitor the projector.

- **RS232 -** - Optoma projector's come with an extensive set of RS232 commands making it simple and easy to manage using any control system.
- **AMX Compatibility -** - Dynamic discovery protocol is incorporated into the projector allowing for easy installation with AMX control systems.
- **LAN Control -** - Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.
  - Schedule the projectors to power on/off.
  - Control and alter the projector settings using the simple web browser.
  - Emergency text broadcast capabilities for urgent or important announcements.
  - Automatically receive email updates for lamp maintenance.

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Amazing colors

For vibrant, natural looking images, Optoma projectors incorporate BrilliantColor™ multi-color processing technology.

Wireless Presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the WPS Wireless Adapter (sold separately) - you can connect and display presentations wirelessly from a laptop, PC or

mobile device.

USB power

Use the USB-Power to power an HDMI dongle, such as Google Chromecast or charge your Optoma 3D glasses.

EH415ST Specification

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	1080p 1920 x 1080
Brightness	3500 ANSI Lumens
Contrast Ratio	15,000:1
Noise Level (Eco mode)	35dB min
Weight	3.4
I/O Connectors	Two HDMI, VGA-in, VGA-out, composite video, stereo audio-in, RCA stereo audio-in, stereo audio-out, 12V trigger, 3D-VESA, RJ45, RS-232C & mini-USB-B
Maximum Resolution	WUXGA (1920 x 1200)
Computer Compatibility	WUXGA, HD, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
Displayable Colors	1.07 Billion
Projection Lens	F=2.87, f=7.28 mm and focus
Throw Ratio	0.5 (distance/width)
Projection Screen Size	59.6"–152.6" (1.51–3.87 m)
Projection Distance	2.7'–5.54' (0.66–1.69 m)
Aspect Ratio	16:9 Native, 4:3 Compatible
Offset	115% ± 5%
Horizontal Scan Rate	15.375–91.146KHz
Vertical Scan Rate	24–85Hz, 120Hz
Lamp Life[2]	(hrs)
Keystone Correction	±20° Vertical
Dimensions (W x H x D)	11.26" x 4.88" x 10.43" (286 x 124 x 265 mm)
Power Supply	AC Input 100–240V, 50–60Hz, auto-switching
Power Consumption	Max 310W (Normal), Min 230W (Eco+), <0.5W (standby-ECO)
Uniformity	>80%
Security	Kensington® lock port, security bar and keypad lock
Standard Accessories	AC power cord, VGA to VGA cable, remote control, batteries for remote, carrying case, lens cap, CD-ROM user's manual, quick start card and warranty card
Optional Accessories	Wireless VGA dongle, universal ceiling mount, Optoma screens, DLP®Link™ 3D glasses, wireless HDMI system and Cat6 HDBaseT
RoHS	Compliant
3D Support	Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Compatibility	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Speaker (Watts)	10-Watt speaker
On Screen Display	Complete on-screen menu adjustments in 27 languages
Optional Wireless	Yes
Warranty	3-Year Optoma Express Service, 1-Year on Lamp
Projection method	Front, rear, ceiling mount, table top

Optoma USA

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[1]Lamp based projectors brightness and lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime.

[2]Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

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